

Questions... of good quality in fact, as well as of good quantity.

NCAGCATTTCCTCTAAGGGATNCAATNNGGCTTGCCCGAGGCCACACTCATTTCCTCCCATNCC
CAAATACTGTGGTGATTAAACATTTTCATAGGAGGANTTTATGGATNCCTTTAAAANCCTAAT
TCCCTGCTTGCCAAATCATTTCCTCTCAGCATCCTGCCCAGCAAAAAANCANCTTNTGATCA
ATNATCCCCCGAGGCTTNACGGAGGCCAGACCTGCCACAGCAGNAGTCCNNGGAGATTGCTGA
GGGTCAAAGCACAGCTCGANGAGGAAACCAATGAGAAATATGAAATATTCAAAGCCGTTGAG
TAAACTCAAGTTGTCGCTGGAGTCAATTACTTCATTAAGATGGATGTAGGGGGTGGTTGTT
ACCCACATAAAAGTCTTCAAGGATCTTTCTGGAAAGAATAATTTGGAACCTTACTGGTTACCA
CTAACAAAACCGAGGATGATGAGCTGACCTACTTCTAAGCAGCAAATTCTAAAGTGACCTGA
CCTCTCATTGTAAACTGATTCGNCCATCAATAAAGAATATTCTCCA (SEQ ID NO:1)

FIGURE 1

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

[GNCAGCATTTCCTCTAAGGGATNCAATNNGGCTTGCCCGAGGCCACACTCATTTCCTCCA
TNCCCTCAAAATACTGTGGTGATTAAACATTTTCATAGGAGGANTTTATGGATNCCTTTAAA
ANCCTAATTCTCCCTGCTTGCCAAATCATTTCCTCAGCATCCTGCCAGCAAAAAANC
ANCTTNTGATCAAAATNATCCCCGGAGGCTTNACGGAGGCCAGACCTGCCACAGCAGN] A
GTCCNGGAGATTCTGACCGGGTCAAAGCACAGCTCGANGAGGAAACCAATGAGAAATAT
GAAATATTCAAAGCGTTGAGTATAAACTCAAGTTGTCGCTGGAGTCAATTACTTCATT
AAGATGGATGTAGGCGGTGGTTGTTTCACCCACATAAAAAGTCTTCAAGGATCTTTCTGGA
AAGAATAATTTGGAACCTT [ACTGGTTACCAGACTAACAAAACCGAGGATGATGAGCTGAC
CTACTTCTAAGCAGCAAAATTCATAAGTGACCTGATTCTCTCATTGTAAACTGATTGNC
CATCAATAAAGAATATTCTCCA]

FIGURE 2A

0904130.034104

Gene Sequence Structure

*

238 bp

Sequence Deleted

436 bp

Size of EST: 559 bp



Targeting Vector* (genomic sequence)

Construct Number: 2757

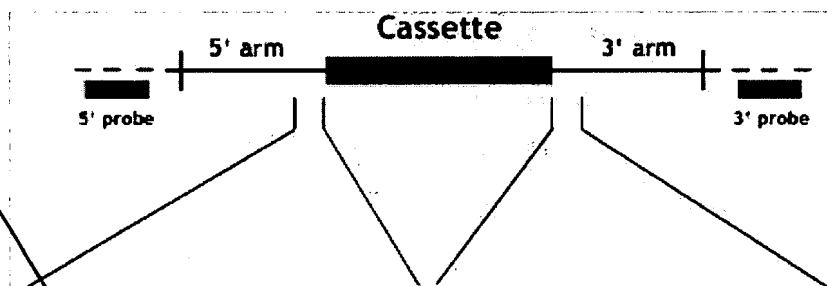
Arm Length:

5': 1.2 kb

3': 3 kb

LacZ-Neo

Cassette



5'>CGAGGCCACACTCATTTCCTCC
ATTCCTCAGATACTGTGATGATT
ATACATTTGATAGGAGGAGATTAT
GGATACCTTTAAAATTCCTAAGTCT
CCCTGCTAGCCAGATCATTCTTC
TCAGCATTCTGCCAGCAAAGAAG
CAACTCGTGATCAGAATGATACCC
GGAGGCTTGATGGAGGCCAGACCT
GCCACAGCAGA<3'
(SEQ ID NO:2)

5'>ACTGGTTACCAGACTAACAAA
ACCGAAGATGATGAACCTGACCTAC
TTCTAAGCAGCAAATTCCTAAAGTC
ACCTGATTCCTCTCATTGTAAACT
GATGCGGCCATCAATAAAGAAATA
TTCTTCAAATAAAAAAAAAAAGA
AAGAAGCATTCTAACACAATACAA
TCCAAAGATGTACTGATTTGATGT
TACATACTCAG<3'
(SEQ ID NO:3)

Targeting Vector

Endogenous Locus

* Not drawn to scale

FIGURE 2B